

**Channel Islands National Marine Sanctuary Advisory Council
Marine Acoustics Panel**
(a special informational session of the July 23 Sanctuary Advisory Council Meeting)
July 23, 2004

12:45 to 3:00 pm¹

Channel Islands National Park, Robert J. Lagomarsino Visitor Center
1901 Spinnaker Drive, Ventura Harbor²

Background Information and Panelist Biographies

The Sanctuary Advisory Council

The Channel Islands National Marine Sanctuary Advisory Council (SAC) is a 21 voting member body that brings together community members and representatives from various government agencies to advise the Sanctuary manager and the National Oceanic and Atmospheric Administration (NOAA) on management of the Channel Islands National Marine Sanctuary. With its expertise and diverse representation, the SAC offers advice on resource management issues and ensures that the Sanctuary manager has a wide range of viewpoints upon which to base management decisions. In order to better understand and address specific management issues, the Advisory Council extends its capacities by forming a variety of working groups. Working groups invite additional community members and experts to participate in the development of sound management advice for the Sanctuary. The SAC meets every other month at locations throughout Ventura and Santa Barbara counties and working groups meet as needed. All SAC and working group meetings are open to the public and interested parties are encouraged to attend. For more information about the SAC and its working groups log on to <http://channelislands.nos.noaa.gov/sac/main.html>.

The Marine Acoustics Panel

The SAC Conservation Working Group presented the SAC with a draft suite of recommendations for addressing acoustic impacts within the Sanctuary at the September 19, 2003 SAC meeting. To improve their understanding of marine acoustics, and to be better prepared to further consider the Conservation Working Group recommendations on the subject, SAC members requested presentations by marine acoustics experts at a future SAC meeting. In response to this request the July 23, 2004 Sanctuary Advisory Council meeting included a marine acoustics panel session. The marine acoustics panel session was comprised of short presentations by each speaker, followed by a question and answer session and SAC member discussion. A public comment period followed the panel session and members of the general public had an opportunity to address the panelists, as well as comment on any other items of interest. Biographies of invited panelists are provided below. More details about the July 23 SAC meeting, including the agenda, and the marine acoustics panel session is posted on the SAC web pages and is accessible at: <http://channelislands.nos.noaa.gov/sac/main.html>. The SAC will consider the Conservation Working Group's revised recommendations (contained within a report

¹ The Sanctuary Advisory Council meeting ran from 8:30 am to 4:30 pm and an agenda is posted at: <http://channelislands.nos.noaa.gov/sac/sacmtgs.html>.

² Directions included on last page.

on Anthropogenic Noise in the Sanctuary available on the SAC web pages) at its September 24th meeting in Santa Barbara.

Panelist: Peter Howorth, Director, Santa Barbara Marine Mammal Center, and Senior Biologist, Principal, Marine Mammal Consulting Group

Title of Presentation: *Measurements and Impacts of Underwater Sound*

Peter Howorth has been involved in numerous nonprofit environmental organizations. He was president of the Santa Barbara Undersea Foundation, and founding director and president of the Friends of Channel Islands National Park. Howorth has been a staunch supporter of the Nature Conservancy's Santa Cruz Island Project and has been involved in numerous research projects with the Santa Barbara Museum of Natural History. Howorth has been recognized by several awards including: Conservancy's state service award, a national "E-chievment" award, named a local hero by the Santa Barbara Independent, Santa Barbara Wildlife Care Network, NOAA environmental Hero and National Environmental Hero by U.S. Senator Barbara Boxer. Howorth is the director of the Marine Mammal Center, founded in 1976, which has earned him both state and federal Senatorial Commendations. His work has been featured in numerous television shows, including Cousteau, Nightly News, KCET and TBS.

Panelist: Monica L. DeAngelis, Marine Mammal Biologist, NOAA Fisheries, Southwest Region, Long Beach, California

Title of Presentation: *Marine Mammals and Sound: Laws and Regulations*

Monica is the marine mammal biologist with the National Marine Fisheries Service (NOAA Fisheries), Southwest Region, in Long Beach, California. She has a Bachelor's degree in biology from the University of New Hampshire and a Master's degree in Biology (Molecular Ecology) from San Diego State University. Monica joined NOAA Fisheries in 1994 to work as a marine mammal observer and later as a technician in the marine mammal genetics lab at the Southwest Fisheries Science Center in La Jolla, California. In 2000, Monica went to work at the R.W. Johnson Pharmaceutical Research Institute as a technician conducting cancer and asthma research in their immunology lab in La Jolla, California. Following her research in immunology, Monica worked as a biologist for the U.S. Fish and Wildlife Service in Carlsbad, California. In August 2003, Monica returned to NOAA Fisheries to work at the Southwest Regional office where she is responsible for the management and conservation of marine mammals including, but not limited to, reviewing and preparing comments on the Marine Mammal Protection Act and Endangered Species Act permit applications, small take regulations and Incidental Harassment Authorizations, and providing assistance in managing impacts of expanding pinniped populations.

Panelist: Shiva Polefka, Science and Policy Researcher, Environmental Defense Center, Santa Barbara, California

Title of Presentation: *Anthropogenic Noise and the Channel Islands National Marine Sanctuary*

Shiva Polefka has worked as a researcher in science and policy for the Environmental Defense Center since January of 2004. Through a grant from Environmental Defense, he has focused primarily on noise pollution in CINMS since April, including attendance at NOAA's Washington

D.C. "Shipping Noise and Marine Mammals" conference in May. A lifelong (if locationally incongruous) interest in marine mammals led him from a childhood in Wyoming to the College of the Atlantic in Bar Harbor, Maine, where he studied marine ecology, physics and economic policy for four years before graduating with a liberal arts degree in 2001.

Suggested References:

Environmental Defense Center. 2004. Anthropogenic Noise and the Channel Islands National Marine Sanctuary. Draft report by Shiva Polefka.

Panelist Note: Representatives of the Marine Mammal Commission Advisory Committee on Acoustic Impacts on Marine Mammals, the U.S. Navy and U.S. Air Force were also invited but unable to participate in the panel.

<p><u>DIRECTIONS:</u> Channel Islands National Park Headquarters 1901 Spinnaker Drive, Ventura Harbor, CA</p> <p>Coming from the south: Take US-101 North to Ventura. Exit on VICTORIA AVE., turn LEFT. Turn RIGHT on OLIVAS PARK DRIVE. Continue past HARBOR BLVD where it becomes Spinnaker. The visitor center is located at the end of Spinnaker in the Ventura Harbor.</p> <p>Coming from the north: Take US-101 south to Ventura. Exit on SEAWARD. Turn LEFT onto HARBOR BLVD. Continue on HARBOR for about 1 mile, then turn RIGHT on Spinnaker Drive. The visitor center is located at the very end of Spinnaker in the Ventura Harbor.</p>
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